

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### FOIL and Factor pop quiz (version 21)

FOIL the expressions shown below:

1.  $(x - 9)(x - 7)$

$$x^2 - 16x + 63$$

2.  $(x + 6)(x + 7)$

$$x^2 + 13x + 42$$

3.  $(x + 1)(x - 6)$

$$x^2 - 5x - 6$$

4.  $(x - 4)(x - 2)$

$$x^2 - 6x + 8$$

5.  $(x - 7)(x - 8)$

$$x^2 - 15x + 56$$

**Factor the expressions shown below:**

6.  $x^2 + 6x + 5$

$$(x + 5)(x + 1)$$

7.  $x^2 - x - 2$

$$(x - 2)(x + 1)$$

8.  $x^2 - x - 56$

$$(x - 8)(x + 7)$$

9.  $x^2 - x - 72$

$$(x - 9)(x + 8)$$

10.  $x^2 + 8x + 7$

$$(x + 1)(x + 7)$$